Special Issue

Microwave Sensors and Artificial Intelligence for Non-contact, Safe and Fast Monitoring of Human Body

Message from the Guest Editor

The COVID-19 pandemic has strongly highlighted the need for non-contact and safe methods as alternatives to standard X-rays for accurate diagnostics. Microwaves can be usefully adopted in this scope, as they are non-ionizing radiation, and so more frequently repeatable as compared to X-rays, but they guarantee accurate results that can be further improved and sped up if additionally combining artificial intelligence methods. The objectives of this Special Issue are to collect submissions that (1) provide a safer and more frequently repeatable diagnostic approach for COVID-19 compared to X-rays; and (2) explore the integration of microwaves and artificial intelligence techniques to improve the accuracy and speed of COVID-19 diagnoses.

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